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| U7A SAFETY CHECKLIST | | | BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE |
| Rev: C | Effective: 5/24/2010 | Page 1 of 1 | Number: LS-SCL- 0073 |
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Original signatures on file.

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A. FRONT-END VACUUM

With mask closed, or no beam in the machine, pressure must be 2.0×10^{-9} or less.

B. BEAMLINE ISOLATION VALVES

All beamline isolation valves (V1A, V2A, V3A, V1B, V2B AND V3B) must be unsealed and in the open position.

C. NUMBERED CHECKPOINTS

The following checkpoints start at the Front End. The purpose of the list is to ensure that all shielding and exclusion zones are in place and secured. Refer to the Beamline Diagram.

- 1. Bremsstrahlung Shielding (BS # 1) banded and secure as per Photo 1.
- 2. Exclusion Zone (EZ # 1) in place and secure as per Photo 2.
- 3. Bremsstrahlung Shielding (BS # 2) banded and secure as per Photo 2.
- 4. Exclusion Zone (EZ # 2) in place and secure as per Photo 3.
- 5. Bremsstrahlung Shielding (BS # 3) banded and secure as per Photo 4.
- 6. Bremsstrahlung Shielding (BS # 4) banded and secure as per Photo 5.

CHECKPOINT NUMBER 7 CAN BE VIEWED FROM THE U7B SIDE

- 7. Bremsstrahlung Shielding (BS # 5) banded and secure as per Photo 6.

OPCO / Beamline Rep.: _____ Date: _____